

AMENDMENTS TO THE CLAIMS

Listing of Claims

1. (Currently amended) A method for reducing the defect density of glass produced via a float glass process comprising:

a. melting a glass composition consisting essentially of comprising:

from 65-75 wt.% of SiO_2 ;

from 10-20 wt.% of Na_2O ;

from 5-15 wt.% of CaO ;

from 0-5 wt.% of MgO ;

from 0-5 wt.% of Al_2O_3 ;

from 0-5 wt.% of K_2O ;

from 0-2 wt.% Fe_2O_3 ; and

from 0-2 wt. % FeO ;

from 0.0 to 2.0 wt. % TiO_2 ; and

from 0.0 to 2.0 wt. % neodymium,

wherein the glass composition has a total field strength index of greater than or equal to 1.23.

2. (Cancel)

3. (Original) A method according to claim 1 wherein melting the glass composition yields a glass melt having a water content of at least 0.035 weight percent based on the total weight percent of the composition

4. (Original) A method according to claim 1 wherein the glass produced has a defect density of less than 10 total defects per 100 square feet.

5. (Withdrawn) A float glass composition comprising:

from 65-75 wt.% of SiO_2 ;

from 10-20 wt.% of Na_2O ;

from 5-15 wt.% of CaO;
from 0-5 wt.% of MgO;
from 0-5 wt.% of Al₂O₃;
from 0-5 wt.% of K₂O;
from 0-2 wt.% Fe₂O₃; and
from 0-2 wt. % FeO,

wherein the glass composition has a total field strength index of greater than or equal to 1.23.

6. (Withdrawn) A float glass composition according to claim 5 further comprising at least one of the following: from 0.0 to 2.0 weight percent TiO₂ based on the weight of the composition; from 0.0 to 3.0 weight percent of erbium oxide based on the total weight of the composition; and/or from 0.0 to 2.0 weight percent of neodymium based on the total weight of the composition.

7. (Withdrawn) A float glass article comprising a glass composition comprising:

from 65-75 wt.% of SiO₂;
from 10-20 wt.% of Na₂O;
from 5-15 wt.% of CaO;
from 0-5 wt.% of MgO;
from 0-5 wt.% of Al₂O₃;
from 0-5 wt.% of K₂O;
from 0-2 wt.% Fe₂O₃; and
from 0-2 % FeO,

wherein the glass composition has a total field strength index of greater than or equal to 1.23.

8. (Withdrawn) A float glass article according to claim 7 wherein the glass composition further comprises at least one of the following: from 0.0 to 2.0 weight percent TiO₂ based on the weight of the composition; from 0.0 to 3.0 weight percent of erbium oxide based on the total weight of the composition; and/or from

0.0 to 2.0 weight percent of neodymium based on the total weight of the composition

9. (Withdrawn) A float glass article according to claim 8 wherein the article comprises at least one piece of glass in a laminated product, the article contains greater than 1 total defect per 100 square feet.

10. (Withdrawn) A float glass article according to claim 8 wherein the laminated product is a windshield.